ABSTRACT

A blood processing system ensures proper temperature of blood returned to a patient by means of a fluid circuit with a warming portion that is engaged with the entirety of the fluid circuit in a single operational step. In an embodiment, the single-step set up is achieved by providing a cartridge-mounted fluid circuit with a warming portion integrated into it. A blood processing machine engages actuators, sensors, etc. of the blood processing and simultaneously a heating portion to supply heat to the blood circuit in a manner that ensures a proper return temperature of blood.